



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/696,019A

DATE: 08/20/2004
TIME: 11:53:45

Input Set : A:\pto.lm.txt
Output Set: N:\CRF4\08202004\J696019A.raw

3 <110> APPLICANT: Alleman, Arthur
4 Barbet, Anthony
6 <120> TITLE OF INVENTION: Polynucleotides and Polypeptides of Anaplasma
Phagocytophilum And Methods

7 of Using the Same

9 <130> FILE REFERENCE: UF-387

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/696,019A

C--> 11 <141> CURRENT FILING DATE: 2003-10-28

11 <160> NUMBER OF SEQ ID NOS: 4

13 <170> SOFTWARE: PatentIn version 3.2

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 742

17 <212> TYPE: DNA

18 <213> ORGANISM: Anaplasma phagocytophilum

21 <220> FEATURE:

22 <221> NAME/KEY: misc_feature

23 <222> LOCATION: (29)..(250)

24 <223> OTHER INFORMATION: Coding sequence of processed MSP5 polypeptide

26 <220> FEATURE:

27 <221> NAME/KEY: misc_feature

28 <222> LOCATION: (29)..(610)

29 <223> OTHER INFORMATION: 5' and 3' ends of cloned MSP5 insert

31 <400> SEQUENCE: 1

32	aaataaggag	gaataaaacca	tggcccttac	tgtgttctg	gggtattcgt	atgttaacaa	60
34	aaaggaaata	ttcagtgaca	tgggtgctaa	attaagttagt	actgacactg	tggttgaaca	120
36	agcgcgata	ttggcttctt	ttactgatct	gataaaatcaa	gaaggtcagg	ttgttagtag	180
38	cactgatttt	gctggaaagc	acatgttgct	tatgttcggc	ttttcttcat	gcaagcacat	240
40	atgtcctgcg	gaacttggta	tggtatcgca	acttttaaac	aagtgggtg	agactgctga	300
42	taaaacttcaa	gctgtttca	taactattga	tcccaaaaat	gacactgtt	aaaggttaaa	360
44	ttagtatcac	aaagccttgc	atagtcgaat	tcatgtcg	actggggatg	aggaagttat	420
46	tcgcaatgt	gtgaaataatt	ataaggatata	cgttagtgag	tctgatagt	aaggagatat	480
48	taatcactca	tcgttttgc	acttgggt	tgcgcacgga	agatatgt	ggcattttgc	540
50	tcctgatttt	gatgaaatacg	aaagtcaagt	agtagactt	tttgatttcg	ttaataagta	600
52	ccctacttct	aagggcgaat	tgcagactt	cgtagaacaa	aaactcatct	cagaagagga	660
54	tctgaatagc	gccgtcgacc	atcatcatca	tcatcattga	gtttaaacgg	tctccagctt	720
56	ggctgttttgc	gcggatgaga	ga				742

59 <210> SEQ ID NO: 2

60 <211> LENGTH: 74

61 <212> TYPE: PRT

62 <213> ORGANISM: Anaplasma phagocytophilum

64 <400> SEQUENCE: 2

66 Thr Val Phe Leu Gly Tyr Ser Tyr Val Asn Lys Lys Gly Ile Phe Ser

67 1 5 10 15

70 Asp Met Gly Ala Lys Leu Ser Ser Thr Asp Thr Val Val Glu Gln Ala

ENTERED

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71 20 25 30
74 Pro Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val
75 35 40 45
78 Val Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly
79 50 55 60
82 Phe Ser Ser Cys Lys His Ile Cys Pro Ala
83 65 70
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 89
88 <212> TYPE: PRT
89 <213> ORGANISM: Anaplasma phagocytophilum
91 <400> SEQUENCE: 3
93 Met Lys Thr Phe Lys Thr Val Ser Asn Leu Leu Leu Val Ala Thr
94 1 5 10 15
97 Val Phe Leu Gly Tyr Ser Tyr Val Asn Lys Lys Gly Ile Phe Ser Asp
98 20 25 30
101 Met Gly Ala Lys Leu Ser Ser Thr Asp Thr Val Val Glu Gln Ala Pro
102 35 40 45
105 Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val Val
106 50 55 60
109 Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly Phe
110 65 70 75 80
113 Ser Ser Cys Lys His Ile Cys Pro Ala
114 85
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 15
119 <212> TYPE: PRT
120 <213> ORGANISM: Anaplasma phagocytophilum
123 <220> FEATURE:
124 <221> NAME/KEY: MISC_FEATURE
125 <222> LOCATION: (1)..(15)
126 <223> OTHER INFORMATION: MSP5 signal peptide
128 <400> SEQUENCE: 4
130 Met Lys Thr Phe Lys Thr Val Ser Asn Leu Leu Leu Val Ala
131 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/20/2004
PATENT APPLICATION: US/10/696,019A TIME: 11:53:46

~~Input Set : A:\pto.lm.txt
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/696,019A

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Input Set : A:\pto.lm.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date